

BACKGROUND OF THE INVENTION

A conventional umbrella is comprised by an umbrella axis, multiple supporting ribs and the cloth cover. The design of conventional umbrella avoids or eliminates the sufferings under the rain and snow weather, to guard people from sunlight, rain fall or snow fall.

However, the structure of conventional umbrella has some disadvantages such as when the wind blows from inside of the umbrella, there is no sufficient way to allow the escape of the wind. A potential flip-over, blown down or broken of the umbrella still exist. It is inconvenient to use. The structure of the releasing wind umbrella improves the condition of conventional umbrella.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a fully open status for wind-release umbrella.

FIG. 2 in the status of FIG. 1, when there is wind, sleeve-shaped wind-release channel is in full operation. Wind is discharged from the wind-release sleeve.

FIG. 3 is a view from the top of the wind-release umbrella.

FIG. 4 is a sketch picture for sleeve-shaped wind-release channel.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

As FIG.1 shown, this new invention is an umbrella with sleeve-shaped channels for releasing wind. The umbrella can effectively discharge the wind blown into the umbrella. There are a few dozens of sleeve-shaped wind-release channels affix to the umbrella surface as shown by (4) and (5). (1) and (2) are the enlarged view of (4) and (5) respectively. (2) is the bigger end of the sleeve, directly attached to holes on the umbrella surface. (1) is the small end of the sleeve, lying flat on the umbrella surface when the umbrella is fully open and there is no wind. The sleeve-shaped wind-release channel is a hollow cylinder. When the wind blows into the channel from inside of umbrella, as shown by (10) and (11), the sleeve-shaped channel becomes erect so the wind is discharged through the hole on the umbrella surface, sleeve-shaped channel and the small side of the sleeve. As shown by (12), (13) and (14), the small side of the sleeve has curved finish (7) and (8). Such design is to prevent rainwater from leaking into the wind-release channel while releasing wind all the way from (6) through (9). There could be a few dozens of the wind-release holes on one umbrella surface, distributed around the surface in circles as shown by (17), (18) and (19). Sleeve-shaped channel has two ends, big end and small end. The big end (16) is seamlessly affixed to the holes on the umbrella surface. The connection method could either be a glue or sewing. The small end (15) usually lies flat on the umbrella surface. The size ratio between big and small end of the wind-release channel should not be too large. Curve finish end (23) should have appropriate angle, and corresponding thickness. This design is a unique invention with great advantage. I hereby apply to your office for a patent grant.